

## APPENDIX B

```
Public FormCancelled As Boolean
Public ReportOption As Integer
Public NextRow As Integer

Sub TotalTime()
'
' Macro1 Macro
' Macro recorded 02/13/2002 by David Bates
'

ReportOption = 0
Load TimeUpdtRptGnrt
TimeUpdtRptGnrt.Show
TimeUpdtRptGnrt.Hide
Unload TimeUpdtRptGnrt

If ReportOption = 0 Then Exit Sub

Sheets("Daily Timesheet").Select
CurrRow = ActiveCell.Row
CurrCol = ActiveCell.Column
NextRow = CurrRow
Select Case ReportOption
Case 0
    Exit Sub
Case 1, 2, 4
    NextRow = HandleOneDay(NextRow)
Case 3
    NextRow = 10000
    Cells(NextRow, CurrCol).Select
    Do While NextRow > 8
        NextRow = HandleOneDay(NextRow)
    Loop
End Select
Cells(CurrRow, CurrCol).Select
End Sub

Function HandleOneDay(xRow)
Sheets("Daily Timesheet").Select
Cells(NextRow, 1).Select
If Cells(ActiveCell.Row, 1).Value = "" Then
    ActiveCell.End(xlUp).Select
End If
CurrDate = ActiveCell.Value
UpperRow = ActiveCell.Row
LowerRow = UpperRow
Do While Cells(LowerRow + 1, 4).Value > 0
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    LowerRow = LowerRow + 1
Loop
NextRow = UpperRow - 2

Range("B" + Format(UpperRow) + ":" + "K" + Format(LowerRow)).Select
Selection.Sort Key1:=Range("E" + Format(UpperRow)), Order1:=xlAscending,
Key2:=Range("F" + Format(UpperRow) _
), Order2:=xlAscending, Header:=xlNo, OrderCustom:=1, MatchCase:=False _
, Orientation:=xlTopToBottom

If Cells(1, 10).Value = "TAR" Then
    TARMethod = True
Else
    TARMethod = False
End If

TotalHours = 0
TotalBill = 0
TotalNonBill = 0
SubTotalHours = 0
For x = UpperRow To LowerRow
    SubTotalHours = SubTotalHours + Cells(x, 4).Value
    If Cells(x, 7).Value = "N" Or Cells(x, 7).Value = "n" Then
        NonBill = True
        Cells(x, 9).Value = "--"
        Cells(x, 10).Value = Cells(x, 4).Value
    Else
        NonBill = False
        Cells(x, 9).Value = Cells(x, 4).Value
        Cells(x, 10).Value = "---"
    End If

    If Cells(x, 5).Value <> Cells(x + 1, 5).Value Or Cells(x, 6).Value <> Cells(x + 1, 6).Value Or
Cells(x, 7).Value <> Cells(x + 1, 7).Value Or x = LowerRow Then
        If TARMethod Then
            SubTotalHours = Application.WorksheetFunction.Ceiling((SubTotalHours - 1 / 60), 0.1)
        End If
        If NonBill Then
            TotalNonBill = TotalNonBill + SubTotalHours
        Else
            TotalBill = TotalBill + SubTotalHours
        End If
        TotalHours = TotalHours + SubTotalHours
        If ReportOption = 2 Then
            Cells(x, 11).Value = ""
        Else

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        Cells(x, 11).Value = SubTotalHours
    End If
    SubTotalHours = 0
    If ReportOption <> 2 Then
        Range(Cells(x, 1), Cells(x, 11)).Select
        DrawBottomLine (True)
    End If
Else
    Cells(x, 11).Value = ""
End If
Next x

If ReportOption = 2 Then
    Range(Cells(LowerRow + 1, 9), Cells(LowerRow + 1, 11)).Font.Bold = False
    Cells(LowerRow + 1, 9).Value = ""
    Cells(LowerRow + 1, 10).Value = ""
    Cells(LowerRow + 1, 11).Value = ""
Else
    Range(Cells(LowerRow + 1, 9), Cells(LowerRow + 1, 11)).Font.Bold = True
    Cells(LowerRow + 1, 9).Value = TotalBill
    Cells(LowerRow + 1, 10).Value = TotalNonBill
    Cells(LowerRow + 1, 11).Value = TotalHours
End If

Sheets("2002").Select
Cells(4, 2).Select
MatchingRow = 4
Do While Cells(MatchingRow, 2).Value <> CurrDate
    MatchingRow = MatchingRow + 1
    If MatchingRow > 400 Then
        MsgBox "Unable to update time because day match not found" + Chr(13) & Chr(10) +
        "Dates must be entered with four digit years, e.g., 1/1/2002"
        Exit Do
    End If
Loop
Cells(MatchingRow, 3).Value = TotalBill
Cells(MatchingRow, 4).Value = TotalNonBill

Sheets("Daily Timesheet").Select
Range("A" + Format(UpperRow) + ":" + "K" + Format(LowerRow)).Select
If ReportOption = 2 Then
    RemoveAllLines (True)
    Range("B" + Format(UpperRow) + ":" + "K" + Format(LowerRow)).Select
    Selection.Sort Key1:=Range("B" + Format(UpperRow)), Order1:=xlAscending,
Header:=xlNo, _
    OrderCustom:=1, MatchCase:=False, Orientation:=xlTopToBottom

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Else
    DrawThickBorder (True)
End If

If ReportOption = 1 Then
    Dim printRange As String
    printRange = "A" + Format(UpperRow) + ":" + "K" + Format(LowerRow + 1)
    With Worksheets("Daily Timesheet")
        .PageSetup.PrintArea = printRange
        .PrintOut
    End With
End If

HandleOneDay = UpperRow - 2
End Function

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Function DrawBottomLine(DrawBottom)
With Selection.Borders(xlEdgeBottom)
    .LineStyle = xlContinuous
    .Weight = xlThin
    .ColorIndex = xlAutomatic
End With
End Function

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Function RemoveAllLines(RemoveLines)
Selection.Borders(xlDiagonalDown).LineStyle = xlNone
Selection.Borders(xlDiagonalUp).LineStyle = xlNone
Selection.Borders(xlEdgeLeft).LineStyle = xlNone
Selection.Borders(xlEdgeTop).LineStyle = xlNone
Selection.Borders(xlEdgeBottom).LineStyle = xlNone
Selection.Borders(xlEdgeRight).LineStyle = xlNone
Selection.Borders(xlInsideVertical).LineStyle = xlNone
Selection.Borders(xlInsideHorizontal).LineStyle = xlNone
End Function

```

```

Function DrawThickBorder(Border)
With Selection.Borders(xlEdgeBottom)
    .LineStyle = xlContinuous
    .Weight = xlThick
    .ColorIndex = xlAutomatic
End With
With Selection.Borders(xlEdgeTop)
    .LineStyle = xlContinuous
    .Weight = xlThick
    .ColorIndex = xlAutomatic
End With

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```
With Selection.Borders(xlEdgeLeft)
    .LineStyle = xlContinuous
    .Weight = xlThick
    .ColorIndex = xlAutomatic
End With
With Selection.Borders(xlEdgeRight)
    .LineStyle = xlContinuous
    .Weight = xlThick
    .ColorIndex = xlAutomatic
End With
End Function
```